

ABSTRACT OF THE DISCLOSURE

A photovoltaic device having an anode, a cathode, and at least one photoactive layer between the anode and the cathode, wherein the at least one photoactive layer includes a composition containing a polymer having a glass transition temperature of at least 125°C; and a photoactive material, wherein: (a) the photoactive material is a hole transporting organic material, an electron transporting organic material, and/or a light harvesting organic material, (b) the polymer and the photoactive material are in a single phase (c) the photoactive material constitutes at least 20% by weight of the composition, and (d) the at least one photoactive layer is in electrical communication with the anode and the cathode, the anode and the cathode are configured to conduct an electric charge from the at least one photoactive layer produced by the at least one photoactive layer absorbing light.